



PATENT # 8  
Attorney Docket No. 207199  
Client Reference No. 164136.01

6-18-04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Arun Ayyagari et al.

Application No. 09/805,500

Filed: March 13, 2001

For: SYSTEM AND METHOD FOR ACHIEVING  
ZERO-CONFIGURATION WIRELESS  
COMPUTING AND COMPUTING DEVICE  
INCORPORATING SAME

Group Art Unit: 2152

Examiner: Unknown

RECEIVED

JUN 15 2004

Technology Center 2600

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Pursuant to 37 CFR 1.97 and 1.98, the references listed on the enclosed Form PTO-1449 and/or Substitute Form PTO-1449 ("Form 1449") are submitted for consideration by the Examiner in the examination of the above-identified patent application.

The full consideration of the references in their entirety by the Examiner is respectfully requested and encouraged. Also, it is respectfully requested that the references be entered into the record of the present application and that the Examiner place his or her initials in the appropriate area on the enclosed Form 1449, thereby indicating the Examiner's consideration of each of the references.

The submission of the references listed on the Form 1449 is for the purpose of providing a complete record and is not a concession that the references listed thereon are prior art to the invention claimed in the patent application. The right is expressly reserved to establish an invention date earlier than the above-identified filing date in order to remove any reference submitted herewith as prior art should it be deemed appropriate to do so.

Further, the submission of the references is not to be taken as a concession that any reference represents art that is relevant or analogous to the claimed invention. Accordingly, the right to argue that any reference is not properly within the scope of prior art relevant to an examination of the claims in the above-identified application is also expressly reserved.

The Supplemental Information Disclosure Statement is being filed:

- ☒ **within** any one of the following time periods: (a) within three months of the filing date of a national application other than a continued prosecution application under 37 CFR 1.53(d); (b) within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 of an international application; (c) before the mailing date of a first Office Action on the merits; or (d) before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.
- ☐ **after** (a), (b), (c) or (d) above, but before the mailing date of a final action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an action that otherwise closes prosecution in the application, and includes *one* of:
- ☐ the Statement under 37 CFR 1.97(e) (see "Statement under 37 CFR 1.97(e)" below).
- or*
- ☐ the fee of \$180 set forth in 37 CFR 1.17(p) (see "Fees" below).
- ☐ **after** the mailing date of a final action under 37 CFR 1.113 or a Notice of Allowance under 37 CFR 1.311, or an action that otherwise closes prosecution in the application, and on or before payment of the issue fee, and includes the Statement under 37 CFR 1.97(e) (see "Statement under 37 CFR 1.97(e)" below), and the fee of \$180 as set forth in 37 CFR 1.17(p) (see "Fees" below).
- ☐ **after** the mailing date of a Notice of Allowance under 37 CFR 1.311, and on or before payment of the issue fee, and **within** thirty days of receiving each item of information contained in the Information Disclosure Statement, and includes the Statement under 37 CFR 1.704(d) (see "Statement under 37 CFR 1.704(d)" below), and the fee of \$180 as set forth in 37 CFR 1.17(p) (see "Fees" below).

NOTE: This is for original applications except applications for a design patent, filed on or after May 29, 2000, wherein a paper containing only an Information Disclosure Statement in compliance with 37 CFR 1.97 and 1.98 is being filed.

### Copies of the References

- ☒ Copies of all of the references listed on the enclosed Form 1449 are enclosed herewith.
- ☐ This patent application was filed after June 30, 2003. Accordingly, copies of U.S. patents and patent applications that are listed on the accompanying Form 1449 are not enclosed herewith (see Official Gazette Notice of August 5, 2003). Copies of other references identified on the accompanying Form 1449 are enclosed herewith.
- ☐ Attached to each reference not in the English language is a concise explanation of the relevance pursuant to 37 CFR 1.98(a)(3). An English-language equivalent/patent, or an

English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of the relevance pursuant to 37 CFR 1.98(a)(3).

- ☐ A copy of the foreign search report is enclosed herewith.
- ☐ The references listed on the enclosed Form 1449 were previously identified in the parent application(s) of the present application, and copies of the references were furnished at that time. Accordingly, additional copies of the references are not submitted herewith, so as not to burden the file with duplicate copies of references. The Examiner is respectfully requested to carefully review the references in accordance with the requirements set out in the Manual of Patent Examining Procedure. In accordance with 37 CFR 1.98(d), the details of the parent application(s) relied upon for an earlier filing date under 35 USC 120 in which copies of the references were previously furnished are set out below:

U.S. APPLICATIONS		Status ( <i>check one</i> )		
U.S. APPLICATIONS	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
1.				
2.				
3.				

**Statement under 37 CFR 1.97(e)**

- ☐ The **undersigned** hereby states that each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of the Information Disclosure Statement.
- ☐ The **undersigned** hereby states that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

**Statement under 37 CFR 1.704(d)**

- ☐ The **undersigned** hereby states that each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 CFR 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

In re Appln. of Arun Ayyagari et al.  
Application No. 09/805,500

#### Fees

- ☒ No fee is owed by the applicant(s).  
☐ The **IDS Fee of \$180** under 37 CFR 1.17(p) is enclosed herewith.

#### Method of Payment of Fees


- ☐ Attached is a check in the amount of \$ .  
☐ Charge Deposit Account No. 12-1216 in the amount of \$ . (A duplicate copy of this communication is enclosed for that purpose.)

#### Authorization to Charge Additional Fees

- ☒ If any additional fees are owed in connection with this communication, please charge Deposit Account No. 12-1216. (A duplicate copy of this communication is enclosed for that purpose.)

#### Instructions as to Overpayment

- ☒ Credit Account No. 12-1216.  
☐ Refund



Jeffery J. Makeover, Reg. No. 37390  
LEYDIG, VOIT & MAYER, LTD.  
6815 Weaver Road, Suite 300  
Rockford, Illinois 61114-8018  
(815) 963-7661 (telephone)  
(815) 963-7664 (facsimile)

Date: June 7, 2004

In re Appln. of Arun Ayyagari et al.  
Application No. 09/805,500



RECEIVED

JUN 15 2004

Technology Center 2600

**CERTIFICATE OF MAILING**

I hereby certify that this SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (along with any documents referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: June 7, 2004

Tanna M. Billups

A circular black ink stamp from the Intellectual Property Office (IPO). The text "IPO" is at the top, "JUN 11 2004" is in the center, and "INTELLECTUAL PROPERTY OFFICE" is around the bottom. A small square box with a cross is on the left.

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**Complete if Known**

Application Number	09/805,500
Filing Date	March 13, 2009
First Named Inventor	Arun Ayyagari
Group Art Unit	2152
Examiner Name	Unknown
Attorney Docket Number	207199 T

2000  
nan

**RECEIVED**

~~JUN 15 2004~~

Technology Center 2600

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

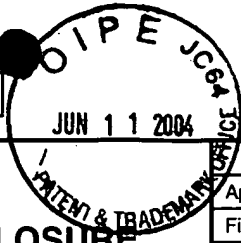
## OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation	
			Yes	No**
		BENINI, LUCA, et al., "Monitoring System Activity for OS-Directed Dynamic Power Management", <i>In Proceedings of 1998 ACM ISLPED</i> , pp. 185-190 ✓		
		BENINI, LUCA, et al., "Dynamic Power Management of Electronic Systems", in <i>Proceedings of the 1998 IEEE/ACM ICCAD</i> , November 8-12, 1998, San Jose CA, pp. 696-704 ✓		
		HINCKLEY, K., et al., "Sensing Techniques for Mobile Interaction", <i>ACM UIST 2000 Symposium on User Interface Software &amp; Technology</i> , CHI Letters 2 (2), pp. 91-100 ✓		
		Intel Microsoft Toshiba, "Advanced Configuration and Power Interface", Revision 1.0, February 2, 1999, 323 pages ✓		

Date Considered

- \* A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).
- + An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

Please type a plus sign (+) inside this box →



Substitute for form 1449A/B/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	09/805,500
Filing Date	March 13, 2001
First Named Inventor	Arun Ayyagari
Group Art Unit	2152
Examiner Name	Unknown
Attorney Docket Number	207199

**RECEIVED**

JUN 15 2004

Technology Center 2800

Sheet 2 of 3

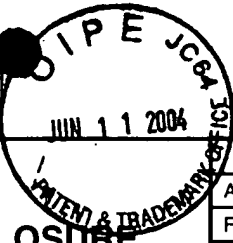
## **OTHER - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation	
			Yes	No**
		SIMUNIC, TAJANA, et al., "Dynamic Power Management for Portable Systems", <i>In Proceedings of ACM MOBICOM 2000</i> , August 2000, Boston, MA pp. 11-19 ✓		
		SIMUNIC, TAJANA, et al., "Dynamic Voltage Scaling and Power Management for Portable Systems", <i>In Proceedings of ACM DAC 2001</i> , August 2001, pp. 524-529 ✓		
		FLEISHMAN, GLENN, "New Wireless Standards Challenge 802.11b, The O'Reilly Network, at <a href="http://www.oreillynet.com/lpt/a/wireless/2001/05/08/standards.html">http://www.oreillynet.com/lpt/a/wireless/2001/05/08/standards.html</a> (June 8, 2001), pp. 1-4 ✓		
		FLICKENGER, ROB, 802.11B Tips, Tricks and Facts, The O'Reilly Network, retrieved from <a href="http://www.oreillynet.com/lpt/a/wireless/2001/03/02/802.11b_facts.html">http://www.oreillynet.com/lpt/a/wireless/2001/03/02/802.11b_facts.html</a> (March 2, 2001), pp. 1-3 ✓		
		Press Release, "Atheros Communications, Atheros Ships Combo Rolling Three WLAN Standards into a Single Solution", retrieved from <a href="http://www.atheros.com/news/combo.html">www.atheros.com/news/combo.html</a> (March 11, 2002) pp. 1-3 ✓		
		Atheros Communications, AR5001X Combo WLAN Solution Brochure, retrieved from <a href="http://www.atheros.com">www.atheros.com</a> pp. 1-2 ✓		
		NOBEL, CARMEL, "For WLAN, It's 802.11bm Eweek retrieved from <a href="http://www.eweek.com/print_article/0.3668.a=18648.00.asp">www.eweek.com/print_article/0.3668.a=18648.00.asp</a> (November 19, 2001) pp. 1-2 ✓		
		NANDAGOPAL, T., et al., "A Unified Architecture for the Design and Evaluation of Wireless Fair Queueing Algorithms", ACM MobiCom 1999, in proceedings of <i>The Fifth Annual ACM/IEEE International Conference on Mobile Computing and Networking</i> (August 1999) pp. 132-142 ✓		
		KESHAV, S., "On the Efficient Implementation of Fair Queueing" <i>Internetworking, Research and Experience</i> , Vol. 2, No. 3., 157-173 (1991) ✓		
		BHARGHAVAN, V., et al., "Fair Queueing in Wireless Networks: Issues and Approaches", <i>IEEE Personal Communications Magazine</i> , pp. 44-53 (February 1999) ✓		
		PAREKH, A.K., et al., "A Generalized Processor Sharing Approach to Flow Control in Integrated Services Networks: The Single-Node Case", <i>IEEE/ACM Transactions on Networking</i> , Vol. 1, No. 3, pp. 344-357 (June 1993) ✓		
		PAREKH, A.K., et al., "A Generalized Processor Sharing Approach to Flow Control in Integrated Services Networks: The Multiple Node Case", <i>IEEE/ACM Transactions on Networking</i> , Vol. 2, No. 2, pp. 137-150 (March 1994) ✓		
		NG, T.S., "Packet Fair Queueing: Algorithms for Wireless Networks with Location-Dependent Errors", <i>Proceedings of IEEE INFOCOM '98, The Conference on Computer Communications Vol. 3, Seventh Annual Joint Conference of the IEEE Computer and Communications Societies</i> , pp. 1103-1111 (March 1998) ✓		
		LETTIERI et al., "Advances in Wireless Terminals," <i>IEEE Personal Communications</i> , Vol. 6, No. 1, (February 1999), pp. 6-19 ✓		
		YUNG-HSIANG LU et al., "Requester-Aware Power Reduction," <i>IEEE</i> ; 20 September 2000 (2000-09-02), PP. 18-23 ✓		
		BENINI et al., "System-level Dynamic Power Management," <i>Low-Power Design, 1999; Proceedings. IEEE Alessandro Volta Memorial Workshop On Como, Italy 4-5 March 1999, Los Alamitos, CA, USA, IEEE Comput. Soc, US, 4 March 1999 (1999-03-04), pp. 23-31</i> ✓		
Examiner Signature		Date Considered		

\* A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

+



## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet	3	of	3
-------	---	----	---

Application Number	09/805,500
Filing Date	March 13, 2001
First Named Inventor	Arun Ayyagari
Group Art Unit	2152
Examiner Name	Unknown
Attorney Docket Number	207199

1 RECEIVED

~~JUN 15 2004~~

Technology Center 2000

[illegible]

Date Considered

- \* A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).
- + An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).